

BIOTECHNOLOGY
SYSTEMS
BRANCH**RAW SEQUENCE LISTING**
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/202,104

Source:

1647

Date Processed by STIC:

7/31/2000

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR FURTHER INFORMATION, PLEASE TELEPHONE MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/202,104

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2 Wrapped Aminos The amino acid number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3 Incorrect Line Length The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4 Misaligned Amino Acid Numbering The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5 Non-ASCII This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6 Variable Length Sequence(s) contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing.
- 7 PatentIn ver. 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 8 Skipped Sequences (OLD RULES) Sequence(s) missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9 Skipped Sequences (NEW RULES) Sequence(s) missing. If intentional, please use the following format for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 10 Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11 Use of <213>Organism (NEW RULES) Sequence(s) are missing this mandatory field or its response.
- 12 Use of <220>Feature (NEW RULES) Sequence(s) are missing the <220>Feature and associated headings
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
- 13 PatentIn ver. 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.

1647

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/202,104
 DATE: 08/07/2000
 TIME: 20:15:31

Input Set : A:\3890us1.app
 Output Set: N:\CRF3\08072000\I202104.raw

Does Not Comply
 Corrected Diskette Needed

3 <110> APPLICANT: van Leengoed, Leonardus Adrianus Maria Govardus
 4 Hoebe, Kasper Hubertus Nicolaas
 5 Meloen, Robert Hans
 7 <120> TITLE OF INVENTION: IL-6 and IL-6 receptor derived peptide having IL-6
 8 antagonistic or agonistic activity
 10 <130> FILE REFERENCE: 2183-3890us
 12 <140> CURRENT APPLICATION NUMBER: 09/202,104
 13 <141> CURRENT FILING DATE: 1999-04-30
 15 <150> PRIOR APPLICATION NUMBER: EP 96201720.8
 16 <151> PRIOR FILING DATE: 1996-06-20
 18 <150> PRIOR APPLICATION NUMBER: PCT/NL97/00345
 19 <151> PRIOR FILING DATE: 1997-06-19
 21 <160> NUMBER OF SEQ ID NOS: 19
 23 <170> SOFTWARE: PatentIn Ver. 2.1
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 12
 27 <212> TYPE: PRT
 28 <213> ORGANISM: Unknown Organism
 30 <220> FEATURE:
 31 <223> OTHER INFORMATION: Description of Unknown Organism: PEPTIDE
 33 <400> SEQUENCE: 1
 34 Arg Tyr Ile Leu Asp Gly Ile Ser Ala Leu Arg Leu
 35 1 5 10
 38 <210> SEQ ID NO: 2
 39 <211> LENGTH: 16
 40 <212> TYPE: PRT
 41 <213> ORGANISM: Unknown Organism
 43 <220> FEATURE:
 44 <223> OTHER INFORMATION: Description of Unknown Organism: PEPTIDE
 46 <400> SEQUENCE: 2
 47 Ser Thr Lys Val Leu Ile Gln Phe Leu Gln Lys Lys Ala Lys Asn Leu
 48 1 5 10 15
 51 <210> SEQ ID NO: 3
 52 <211> LENGTH: 19
 53 <212> TYPE: PRT
 54 <213> ORGANISM: Unknown Organism
 56 <220> FEATURE:
 57 <223> OTHER INFORMATION: Description of Unknown Organism: PEPTIDE
 59 <400> SEQUENCE: 3
 60 Ile Leu Arg Ser Phe Lys Glu Phe Leu Gln Ser Ser Leu Arg Ala Leu
 61 1 5 10 15
 63 Arg Gln Met
 67 <210> SEQ ID NO: 4
 68 <211> LENGTH: 15
 69 <212> TYPE: PRT
 70 <213> ORGANISM: Unknown Organism
 72 <220> FEATURE:

glutol

*invalid response - see
 circled
 portion of*

Jan 12 on

Error

summary sheet

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/202,104

DATE: 08/07/2000

TIME: 20:15:31

Input Set : A:\3890us1.app

Output Set: N:\CRF3\08072000\I202104.raw

73 <223> OTHER INFORMATION: Description of Unknown Organism: PEPTIDE

75 <400> SEQUENCE: 4

76 Gln Leu Ser Cys Phe Arg Lys Ser Pro Leu Ser Asn Val Val Cys

77 1 5 10 15

80 <210> SEQ ID NO: 5

81 <211> LENGTH: 21

82 <212> TYPE: PRT

83 <213> ORGANISM: Unknown Organism

85 <220> FEATURE:

86 <223> OTHER INFORMATION: Description of Unknown Organism: PEPTIDE

88 <400> SEQUENCE: 5

89 Pro Arg Ser Thr Pro Ser Leu Thr Thr Lys Ala Val Leu Leu Val Arg

90 1 5 10 15

92 Lys Phe Gln Asn Ser

93 20

96 <210> SEQ ID NO: 6

97 <211> LENGTH: 20

98 <212> TYPE: PRT

99 <213> ORGANISM: Unknown Organism

101 <220> FEATURE:

102 <223> OTHER INFORMATION: Description of Unknown Organism: PEPTIDE

104 <400> SEQUENCE: 6

105 Met Cys Val Ala Ser Ser Val Gly Ser Lys Phe Ser Lys Thr Gln Thr

106 1 5 10 15

108 Phe Gln Gly Cys

109 20

112 <210> SEQ ID NO: 7

113 <211> LENGTH: 25

114 <212> TYPE: PRT

115 <213> ORGANISM: Unknown Organism

117 <220> FEATURE:

118 <223> OTHER INFORMATION: Description of Unknown Organism: PEPTIDE

120 <400> SEQUENCE: 7

121 Pro Glu Lys Pro Lys Asn Leu Ser Cys Ile Val Asn Glu Gly Lys Lys

122 1 5 10 15

124 Met Arg Cys Glu Trp Asp Gly Gly Arg

125 20 25

128 <210> SEQ ID NO: 8

129 <211> LENGTH: 25

130 <212> TYPE: PRT

131 <213> ORGANISM: Unknown Organism

133 <220> FEATURE:

134 <223> OTHER INFORMATION: Description of Unknown Organism: PEPTIDE

136 <400> SEQUENCE: 8

137 Asn Phe Thr Leu Lys Ser Glu Trp Ala Thr His Lys Phe Ala Asp Cys

138 1 5 10 15

140 Lys Ala Lys Arg Asp Thr Pro Thr Ser

141 20 25

144 <210> SEQ ID NO: 9

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/202,104

DATE: 08/07/2000

TIME: 20:15:31

Input Set : A:\3890usl.app

Output Set: N:\CRF3\08072000\I202104.raw

```

145 <211> LENGTH: 15
146 <212> TYPE: PRT
147 <213> ORGANISM: Unknown Organism
149 <220> FEATURE:
150 <223> OTHER INFORMATION: Description of Unknown Organism: PEPTIDE
152 <400> SEQUENCE: 9
153 Trp Val Glu Ala Glu Asn Ala Leu Gly Lys Val Thr Ser Asp His
154 1 5 10 15
157 <210> SEQ ID NO: 10
158 <211> LENGTH: 17
159 <212> TYPE: PRT
160 <213> ORGANISM: Unknown Organism
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Description of Unknown Organism: PEPTIDE
165 <400> SEQUENCE: 10
166 Pro Val Tyr Lys Val Lys Pro Asn Pro Pro His Asn Leu Ser Val Ile
167 1 5 10 15
169 Asn
173 <210> SEQ ID NO: 11
174 <211> LENGTH: 28
175 <212> TYPE: PRT
176 <213> ORGANISM: Unknown Organism
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Description of Unknown Organism: PEPTIDE
181 <400> SEQUENCE: 11
182 Glu Trp Gly Pro Arg Ser Thr Pro Ser Leu Thr Thr Lys Ala Val Leu
183 1 5 10 15
185 Leu Val Arg Lys Phe Gln Asn Ser Pro Ala Glu Asp
186 20 25
189 <210> SEQ ID NO: 12
190 <211> LENGTH: 187
191 <212> TYPE: PRT
192 <213> ORGANISM: Unknown Organism
194 <220> FEATURE:
195 <223> OTHER INFORMATION: Description of Unknown Organism: PEPTIDE
197 <400> SEQUENCE: 12
198 Ala Pro Pro Val Pro Pro Gly Glu Asp Ser Lys Asp Val Ala Ala Pro
199 1 5 10 15
201 His Arg Gln Pro Leu Thr Ser Ser Glu Arg Ile Ser Lys Gln Ile Arg
202 20 25 30
204 Tyr Ile Leu Asp Gly Ile Ser Ala Leu Arg Lys Glu Thr Cys Asn Lys
205 35 40 45
207 Ser Asn Met Cys Glu Ser Ser Lys Glu Ala Leu Ala Glu Asn Asn Leu
208 50 55 60
210 Asn Leu Pro Lys Met Ala Glu Lys Asp Gly Cys Phe Gln Ser Gly Phe
211 65 70 75 80
213 Asn Glu Glu Thr Cys Leu Val Lys Ile Ile Thr Gly Leu Leu Glu Phe
214 85 90 95
216 Glu Val Tyr Leu Glu Tyr Leu Gln Asn Arg Phe Glu Ser Ser Glu Glu

```

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/202,104

DATE: 08/07/2000
 TIME: 20:15:31

Input Set : A:\3890usl.app
 Output Set: N:\CRF3\08072000\I202104.raw

```

217          100          105          110
219 Gln Ala Arg Ala Val Gln Met Ser Thr Lys Val Leu Ile Gln Phe Leu
220          115          120          125
222 Gln Lys Lys Ala Lys Asn Leu Asp Ala Ile Thr Thr Pro Asp Pro Thr
223          130          135          140
225 Thr Asn Ala Ser Leu Leu Thr Lys Leu Gln Ala Gln Asn Gln Trp Leu
226 145          150          155          160
228 Gln Asp Met Thr Thr His Leu Ile Leu Ile Arg Ser Phe Lys Glu Phe
229          165          170          175
231 Leu Gln Ser Ser Leu Arg Ala Leu Arg Gln Met
232          180          185
235 <210> SEQ ID NO: 13
236 <211> LENGTH: 112
237 <212> TYPE: PRT
238 <213> ORGANISM: Unknown Organism
240 <220> FEATURE:
241 <223> OTHER INFORMATION: Description of Unknown Organism: PEPTIDE
243 <220> FEATURE:
244 <221> NAME/KEY: UNSURE
245 <222> LOCATION: (60)
246 <223> OTHER INFORMATION: Xaa at position 60 is undefined/unclear
248 <220> FEATURE:
249 <221> NAME/KEY: UNSURE
250 <222> LOCATION: (65)
251 <223> OTHER INFORMATION: Xaa at position 65 is undefined/unclear
253 <400> SEQUENCE: 13
254 Pro Pro Glu Glu Pro Gln Leu Ser Cys Phe Arg Lys Ser Pro Leu Ser
255 1          5          10          15
257 Asn Val Val Cys Glu Trp Gly Pro Arg Ser Thr Pro Ser Leu Thr Thr
258          20          25          30
260 Lys Ala Val Leu Leu Val Arg Lys Phe Gln Asn Ser Pro Ala Glu Asp
261          35          40          45
263 Phe Gln Glu Pro Cys Gln Tyr Ser Gln Glu Ser Xaa Lys Phe Ser Cys
264          50          55          60
266 Xaa Leu Ala Val Pro Glu Gly Asp Ser Ser Phe Tyr Ile Val Ser Met
267 65          70          75          80
269 Cys Val Ala Ser Ser Val Gly Ser Lys Phe Ser Lys Thr Gln Thr Phe
270          85          90          95
272 Gln Gly Cys Gly Ile Leu Gln Pro Asp Pro Pro Ala Asn Ile Thr Val
273          100          105          110
279 <210> SEQ ID NO: 14
280 <211> LENGTH: 108
281 <212> TYPE: PRT
282 <213> ORGANISM: Unknown Organism
284 <220> FEATURE:
285 <223> OTHER INFORMATION: Description of Unknown Organism: PEPTIDE
287 <400> SEQUENCE: 14
288 Pro Pro Glu Lys Pro Lys Asn Leu Ser Cys Ile Val Asn Glu Gly Lys
289 1          5          10          15

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/202,104

DATE: 08/07/2000

TIME: 20:15:31

Input Set : A:\3890us1.app

Output Set: N:\CRF3\08072000\I202104.raw

```

291 Lys Met Arg Cys Glu Trp Asp Gly Gly Arg Glu Thr His Leu Glu Thr
292                20                25                30
294 Asn Phe Thr Leu Lys Ser Glu Trp Ala Thr His Lys Phe Ala Asp Cys
295                35                40                45
297 Lys Ala Lys Arg Asp Thr Pro Thr Ser Cys Thr Val Asp Tyr Ser Thr
298                50                55                60
300 Val Tyr Phe Val Asn Ile Glu Val Trp Val Glu Ala Glu Asn Ala Leu
301        65                70                75                80
303 Gly Lys Val Thr Ser Asp His Ile Asn Phe Asp Pro Val Tyr Lys Val
304                85                90                95
306 Lys Pro Asn Pro Pro His Asn Leu Ser Val Ile Asn
307                100                105
310 <210> SEQ ID NO: 15
311 <211> LENGTH: 7
312 <212> TYPE: PRT
313 <213> ORGANISM: Unknown Organism
315 <220> FEATURE:
316 <223> OTHER INFORMATION: Description of Unknown Organism: PEPTIDE
318 <400> SEQUENCE: 15
319 Ser Leu Thr Thr Lys Ala Val
320    1                5
323 <210> SEQ ID NO: 16
324 <211> LENGTH: 12
325 <212> TYPE: PRT
326 <213> ORGANISM: Unknown Organism
328 <220> FEATURE:
329 <223> OTHER INFORMATION: Description of Unknown Organism: PEPTIDE
331 <400> SEQUENCE: 16
332 Ile Leu Arg Ser Phe Lys Glu Phe Leu Gln Ser Ser
333    1                5                10
336 <210> SEQ ID NO: 17
337 <211> LENGTH: 15
338 <212> TYPE: PRT
339 <213> ORGANISM: Unknown Organism
341 <220> FEATURE:
342 <223> OTHER INFORMATION: Description of Unknown Organism: PEPTIDE
344 <400> SEQUENCE: 17
345 Trp Val Glu Ala Glu Asn Ala Leu Gly Lys Val Thr Ser Asp His
346    1                5                10                15
349 <210> SEQ ID NO: 18
350 <211> LENGTH: 5
351 <212> TYPE: PRT
352 <213> ORGANISM: Unknown Organism
354 <220> FEATURE:
355 <223> OTHER INFORMATION: Description of Unknown Organism: PEPTIDE
357 <400> SEQUENCE: 18
358 Arg Tyr Ile Leu Asp
359    1                5
362 <210> SEQ ID NO: 19

```

*please correct
Seq 19, if same
over
extra*

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/202,104

DATE: 08/07/2000
TIME: 20:15:32

Input Set : A:\3890us1.app
Output Set: N:\CRF3\08072000\I202104.raw

L:263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13